

X15815.ST25.txt  
SEQUENCE LISTING

<110> Eli Lilly and Company  
<120> Novel Proteins and Their Uses  
<130> X-15815  
<160> 24  
<170> PatentIn version 3.2  
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<213> Homo sapiens

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ccagattcat ctgcacaaat acgtggtggg ctactttaga gagattgata caaaagacga 1320

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 tgcagaactt ctccatgtca agcagcaggt gtcagcagga aaaagatcac aagcctgccca 1440  
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 35 40 45  
 Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile  
 50 55 60  
 Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Ala Ser Ile Arg Leu  
 65 70 75 80  
 Leu Lys Ala Thr Lys Ile Cys Val Thr Gly Lys Ser Asn Phe Gln Ser  
 85 90 95  
 Tyr Ser Cys Val Arg Cys Asn Tyr Thr Glu Ala Phe Gln Thr Gln Thr  
 100 105 110  
 Arg Pro Ser Gly Gly Lys Trp Thr Phe Ser Tyr Ile Gly Phe Pro Val  
 115 120 125  
 Glu Leu Asn Thr Val Tyr Phe Ile Gly Ala His Asn Ile Pro Asn Ala  
 130 135 140  
 Asn Met Asn Glu Asp Gly Pro Ser Met Ser Val Asn Phe Thr Ser Pro  
 145 150 155 160  
 Gly Ser Leu Trp Asp Pro Asn Ile Thr Ala Cys Lys Lys Asn Glu Glu  
 165 170 175  
 Thr Val Glu Val Asn Phe Thr Thr Thr Pro Leu Gly Asn Arg Tyr Met  
 180 185 190

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Ala Leu Ile Gln His Ser Thr Ile Ile Gly Phe Ser Gln Val Phe Glu  
 195 200 205  
 Pro His Gln Lys Lys Gln Thr Arg Ala Ser Val Val Ile Pro Val Thr  
 210 215 220  
 Gly Asp Ser Glu Gly Ala Thr Val Gln Leu Thr Pro Tyr Phe Pro Thr  
 225 230 235 240  
 Cys Gly Ser Asp Cys Ile Arg His Lys Gly Thr Val Val Leu Cys Pro  
 245 250 255  
 Gln Thr Gly Val Pro Phe Pro Leu Asp Asn Asn Lys Ser Lys Pro Gly  
 260 265 270  
 Gly Trp Leu Pro Leu Leu Leu Leu Ser Leu Leu Val Ala Thr Trp Val  
 275 280 285  
 Leu Val Ala Gly Ile Tyr Leu Met Trp Arg His Glu Arg Ile Lys Lys  
 290 295 300  
 Thr Ser Phe Ser Thr Thr Thr Leu Leu Pro Pro Ile Lys Val Leu Val  
 305 310 315 320  
 Val Tyr Pro Ser Glu Ile Cys Phe His His Thr Ile Cys Tyr Phe Thr  
 325 330 335  
 Glu Phe Leu Gln Asn His Cys Arg Ser Glu Val Ile Leu Glu Lys Trp  
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 Gln Lys Lys Lys Ile Ala Glu Met Gly Pro Val Gln Trp Leu Ala Thr  
 355 360 365  
 Gln Lys Lys Ala Ala Asp Lys Val Val Phe Leu Leu Ser Asn Asp Val  
 370 375 380  
 Asn Ser Val Cys Asp Gly Thr Cys Gly Lys Ser Glu Gly Ser Pro Ser  
 385 390 395 400  
 Glu Asn Ser Gln Asp Leu Phe Pro Leu Ala Phe Asn Leu Phe Cys Ser  
 405 410 415  
 Asp Leu Arg Ser Gln Ile His Leu His Lys Tyr Val Val Val Tyr Phe  
 420 425 430  
 Arg Glu Ile Asp Thr Lys Asp Asp Tyr Asn Ala Leu Ser Val Cys Pro  
 435 440 445  
 Lys Tyr His Leu Met Lys Asp Ala Thr Ala Phe Cys Ala Glu Leu Leu  
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His Val Lys Gln Gln Val Ser Ala Gly Lys Arg Ser Gln Ala Cys His  
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Asp Gly Cys Cys Ser Leu  
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 aggctgccta gaccacataa tgaaatataa aaaaaagtgt gtcaaggccg gaagcctgtg 540  
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tgccactgct ttctgtgcag aactttctcca tgtcaagcag caggtgtcag caggaaaaag 1560
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Glu Trp Met Leu Gln His Asp Leu Ile Pro Gly Asp Leu Arg Asp Leu  
 35 40 45

Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile  
 50 55 60

Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Ala Ser Ile Arg Leu  
 65 70 75 80

Leu Lys Ala Thr Lys Ile Cys Val Thr Gly Lys Ser Asn Phe Gln Ser  
 85 90 95

Tyr Ser Cys Val Arg Cys Asn Tyr Thr Glu Ala Phe Gln Thr Gln Thr  
 100 105 110

Arg Pro Ser Gly Gly Lys Trp Thr Phe Ser Tyr Ile Gly Phe Pro Val  
 115 120 125

Glu Leu Asn Thr Val Tyr Phe Ile Gly Ala His Asn Ile Pro Asn Ala  
 130 135 140

Asn Met Asn Glu Asp Gly Pro Ser Met Ser Val Asn Phe Thr Ser Pro  
 145 150 155 160

Gly Cys Leu Asp His Ile Met Lys Tyr Lys Lys Lys Cys Val Lys Ala  
 165 170 175

Gly Ser Leu Trp Asp Pro Asn Ile Thr Ala Cys Lys Lys Asn Glu Glu  
 180 185 190

X15815.ST25.txt

Thr Val Glu Val Asn Phe Thr Thr Thr Pro Leu Gly Asn Arg Tyr Met  
 195 200 205

Ala Leu Ile Gln His Ser Thr Ile Ile Gly Phe Ser Gln Val Phe Glu  
 210 215 220

Pro His Gln Lys Lys Gln Thr Arg Ala Ser Val Val Ile Pro Val Thr  
 225 230 235 240

Gly Asp Ser Glu Gly Ala Thr Val Gln Gly Leu Ala Cys Pro Lys Ala  
 245 250 255

Leu Ala Glu Gly Ser Gln Glu Asp His Cys Cys Ser Phe Phe Leu Glu  
 260 265 270

Glu Met Phe Val Tyr Val Leu Thr Pro Tyr Phe Pro Thr Cys Gly Ser  
 275 280 285

Asp Cys Ile Arg His Lys Gly Thr Val Val Leu Cys Pro Gln Thr Gly  
 290 295 300

Val Pro Phe Pro Leu Asp Asn Asn Lys Ser Lys Pro Gly Gly Trp Leu  
 305 310 315 320

Pro Leu Leu Leu Leu Ser Leu Leu Val Ala Thr Trp Val Leu Val Ala  
 325 330 335

Gly Ile Tyr Leu Met Trp Arg His Glu Arg Ile Lys Lys Thr Ser Phe  
 340 345 350

Ser Thr Thr Thr Leu Leu Pro Pro Ile Lys Val Leu Val Val Tyr Pro  
 355 360 365

Ser Glu Ile Cys Phe His His Thr Ile Cys Tyr Phe Thr Glu Phe Leu  
 370 375 380

Gln Asn His Cys Arg Ser Glu Val Ile Leu Glu Lys Trp Gln Lys Lys  
 385 390 395 400

Lys Ile Ala Glu Met Gly Pro Val Gln Trp Leu Ala Thr Gln Lys Lys  
 405 410 415

Ala Ala Asp Lys Val Val Phe Leu Leu Ser Asn Asp Val Asn Ser Val  
 420 425 430

Cys Asp Gly Thr Cys Gly Lys Ser Glu Gly Ser Pro Ser Glu Asn Ser  
 435 440 445

Gln Asp Leu Phe Pro Leu Ala Phe Asn Leu Phe Cys Ser Asp Leu Arg  
 450 455 460

## X15815.ST25.txt

Ser Gln Ile His Leu His Lys Tyr Val Val Val Tyr Phe Arg Glu Ile  
 465 470 475 480

Asp Thr Lys Asp Asp Tyr Asn Ala Leu Ser Val Cys Pro Lys Tyr His  
 485 490 495

Leu Met Lys Asp Ala Thr Ala Phe Cys Ala Glu Leu Leu His Val Lys  
 500 505 510

Gln Gln Val Ser Ala Gly Lys Arg Ser Gln Ala Cys His Asp Gly Cys  
 515 520 525

Cys Ser Leu  
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 aatccccgga gacttgaggg acctccgagt agaacctgtt acaactagtg ttgcaacagg 180  
 ggactattca attttgatga atgtaaagctg ggtactccgg gcagatgcca gcatccgctt 240  
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 gaggtgcaat tacacagagg ccttccagac tcagaccaga ccctctggtg gtaaatggac 360  
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X15815.ST25.txt

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<213> Homo sapiens

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Pro Arg Glu Pro Thr Val Gln Cys Gly Ser Glu Thr Gly Pro Ser Pro
20 25 30

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Glu Trp Met Leu Gln His Asp Leu Ile Pro Gly Asp Leu Arg Asp Leu
35 40 45

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Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile
50 55 60

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Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Ala Ser Ile Arg Leu
65 70 75 80

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Leu Lys Ala Thr Lys Ile Cys Val Thr Gly Lys Ser Asn Phe Gln Ser
85 90 95

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Tyr Ser Cys Val Arg Cys Asn Tyr Thr Glu Ala Phe Gln Thr Gln Thr
100 105 110

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Arg Pro Ser Gly Gly Lys Trp Thr Phe Ser Tyr Ile Gly Phe Pro Val
115 120 125

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Glu Leu Asn Thr Val Tyr Phe Ile Gly Ala His Asn Ile Pro Asn Ala
130 135 140

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Asn Met Asn Glu Asp Gly Pro Ser Met Ser Val Asn Phe Thr Ser Pro
145 150 155 160

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Gly Cys Leu Asp His Ile Met Lys Tyr Lys Lys Lys Cys Val Lys Ala  
 165 170 175

Gly Ser Leu Trp Asp Pro Asn Ile Thr Ala Cys Lys Lys Asn Glu Glu  
 180 185 190

Thr Val Glu Val Asn Phe Thr Thr Thr Pro Leu Gly Asn Arg Tyr Met  
 195 200 205

Ala Leu Ile Gln His Ser Thr Ile Ile Gly Phe Ser Gln Val Phe Glu  
 210 215 220

Pro His Gln Lys Lys Gln Thr Arg Ala Ser Val Val Ile Pro Val Thr  
 225 230 235 240

Gly Asp Ser Glu Gly Ala Thr Val Gln Leu Thr Pro Tyr Phe Pro Thr  
 245 250 255

Cys Gly Ser Asp Cys Ile Arg His Lys Gly Thr Val Val Leu Cys Pro  
 260 265 270

Gln Thr Gly Val Pro Phe Pro Leu Asp Asn Asn Lys Ser Lys Pro Gly  
 275 280 285

Gly Trp Leu Pro Leu Leu Leu Leu Ser Leu Leu Val Ala Thr Trp Val  
 290 295 300

Leu Val Ala Gly Ile Tyr Leu Met Trp Arg His Gly Ser Arg Arg Leu  
 305 310 315 320

Pro Phe Leu Pro Pro His Tyr Cys Pro Pro Leu Arg Phe Leu Trp Phe  
 325 330 335

Thr His Leu Lys Tyr Val Ser Ile Thr Gln Phe Val Thr Ser Leu Asn  
 340 345 350

Phe Phe Lys Thr Ile Ala Glu Val Arg Ser Ser Leu Lys Ser Gly Arg  
 355 360 365

Lys Arg Lys  
 370

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aatcccggga gacttgaggg acctccgagt agaacctgtt acaactagtg ttgcaacagg 180
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attttcctac atcggcttcc ctgtagagct gaacacagtc tatttcattg gggcccataa 420
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<210> 8
<211> 328
<212> PRT
<213> Homo sapiens

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<223> LP394

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<400> 8

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X15815.ST25.txt

Pro Arg Glu Pro Thr Val Gln Cys Gly Ser Glu Thr Gly Pro Ser Pro  
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Glu Trp Met Leu Gln His Asp Leu Ile Pro Gly Asp Leu Arg Asp Leu  
                   35                  40                  45

Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile  
                   50                  55                  60

Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Ala Ser Ile Arg Leu  
                   65                  70                  75                  80

Leu Lys Ala Thr Lys Ile Cys Val Thr Gly Lys Ser Asn Phe Gln Ser  
                   85                  90                  95

Tyr Ser Cys Val Arg Cys Asn Tyr Thr Glu Ala Phe Gln Thr Gln Thr  
                   100                  105                  110

Arg Pro Ser Gly Gly Lys Trp Thr Phe Ser Tyr Ile Gly Phe Pro Val  
                   115                  120                  125

Glu Leu Asn Thr Val Tyr Phe Ile Gly Ala His Asn Ile Pro Asn Ala  
                   130                  135                  140

Asn Met Asn Glu Asp Gly Pro Ser Met Ser Val Asn Phe Thr Ser Pro  
                   145                  150                  155                  160

Gly Cys Leu Asp His Ile Met Lys Tyr Lys Lys Lys Cys Val Lys Ala  
                   165                  170                  175

Gly Ser Leu Trp Asp Pro Asn Ile Thr Ala Cys Lys Lys Asn Glu Glu  
                   180                  185                  190

Thr Val Glu Val Asn Phe Thr Thr Thr Pro Leu Gly Asn Arg Tyr Met  
                   195                  200                  205

Ala Leu Ile Gln His Ser Thr Ile Ile Gly Phe Ser Gln Val Phe Glu  
                   210                  215                  220

Pro His Gln Lys Lys Gln Thr Arg Ala Ser Val Val Ile Pro Val Thr  
                   225                  230                  235                  240

Gly Asp Ser Glu Gly Ala Thr Val Gln Leu Thr Pro Tyr Phe Pro Thr  
                   245                  250                  255

Cys Gly Ser Asp Cys Ile Arg His Lys Gly Thr Val Val Leu Cys Pro  
                   260                  265                  270

Gln Thr Gly Val Pro Phe Pro Leu Asp Asn Asn Lys Ser Lys Pro Gly  
                   275                  280                  285

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Gly Trp Leu Pro Leu Leu Leu Leu Ser Leu Leu Val Ala Thr Trp Val  
 290 295 300

Leu Val Ala Gly Ile Tyr Leu Met Trp Arg His Glu Val Arg Ser Ser  
 305 310 315 320

Leu Lys Ser Gly Arg Lys Arg Lys  
 325

<210> 9  
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 aatcccgcga gacttgaggg acctccgagt agaactgtt acaactagtg ttgcaacagg 180  
 ggactattca attttgatga atgtaagctg ggtactccgg gcagatgcca gcatccgctt 240  
 gttgaaggcc accaagattt gtgtgacggg caaaagcaac ttccagtcct acagctgtgt 300  
 gaggtgcaat tacacagagg ccttccagac tcagaccaga ccctctggtg gtaaatggac 360  
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 aggaagcctg tgggatccga acatcactgc ttgtaagaag aatgaggaga cagtagaagt 540  
 gaacttcaca accactcccc tgggaaacag atacatggct cttatccaac acagcactat 600  
 catcggttt tctcaggtgt ttgagccaca ccagaagaaa caaacgcgag cttcagtgg 660  
 gattccagtg actggggata gtgaagggtc tacggtgcag ctgactccat attttcctac 720  
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 gacctttcc cccttgccct taaccttttc tgcagtgtac taagaagcca gattcatctg 1140  
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 agtgtctgcc ccaagtacca cctcatgaag gatgccactg ctttctgtgc agaacttctc 1260  
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X15815.ST25.txt

1346

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<210> 10  
 <211> 312  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
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 <223> LP395

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 1 5 10 15

Pro Arg Glu Pro Thr Val Gln Cys Gly Ser Glu Thr Gly Pro Ser Pro  
 20 25 30

Glu Trp Met Leu Gln His Asp Leu Ile Pro Gly Asp Leu Arg Asp Leu  
 35 40 45

Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile  
 50 55 60

Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Ala Ser Ile Arg Leu  
 65 70 75 80

Leu Lys Ala Thr Lys Ile Cys Val Thr Gly Lys Ser Asn Phe Gln Ser  
 85 90 95

Tyr Ser Cys Val Arg Cys Asn Tyr Thr Glu Ala Phe Gln Thr Gln Thr  
 100 105 110

Arg Pro Ser Gly Gly Lys Trp Thr Phe Ser Tyr Ile Gly Phe Pro Val  
 115 120 125

Glu Leu Asn Thr Val Tyr Phe Ile Gly Ala His Asn Ile Pro Asn Ala  
 130 135 140

Asn Met Asn Glu Asp Gly Pro Ser Met Ser Val Asn Phe Thr Ser Pro  
 145 150 155 160

Gly Ser Leu Trp Asp Pro Asn Ile Thr Ala Cys Lys Lys Asn Glu Glu  
 165 170 175

Thr Val Glu Val Asn Phe Thr Thr Thr Pro Leu Gly Asn Arg Tyr Met  
 180 185 190

Ala Leu Ile Gln His Ser Thr Ile Ile Gly Phe Ser Gln Val Phe Glu  
 195 200 205

## X15815.ST25.txt

Pro His Gln Lys Lys Gln Thr Arg Ala Ser Val Val Ile Pro Val Thr  
 210 215 220

Gly Asp Ser Glu Gly Ala Thr Val Gln Leu Thr Pro Tyr Phe Pro Thr  
 225 230 235 240

Cys Gly Ser Asp Cys Ile Arg His Lys Gly Thr Val Val Leu Cys Pro  
 245 250 255

Gln Thr Gly Val Pro Phe Pro Leu Asp Asn Asn Lys Ser Lys Pro Gly  
 260 265 270

Gly Trp Leu Pro Leu Leu Leu Leu Ser Leu Leu Val Ala Thr Trp Val  
 275 280 285

Leu Val Ala Gly Ile Tyr Leu Met Trp Arg His Glu Val Arg Ser Ser  
 290 295 300

Leu Lys Ser Gly Arg Lys Arg Lys  
 305 310

<210> 11  
 <211> 1567  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (1)..(1567)  
 <223> LP396

<400> 11  
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 aatccccgga gacttgaggg acctccgagt agaacctgtt acaactagtg ttgcaacagg 180  
 ggactattca attttgatga atgtaagctg ggtactccgg gcagatgcca gcatccgctt 240  
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 tattcctaata gcaaatatga atgaagatgg cccttccatg tctgtgaatt tcacctcacc 480  
 aggctgccta gaccacataa tgaaatataa aaaaaagtgt gtcaaggccg gaagcctgtg 540  
 ggatccgaac atcactgctt gtaagaagaa tgaggagaca gtagaagtga acttcacaac 600  
 cactcccctg ggaaacagat acatggctct tatccaacac agcactatca tcgggttttc 660  
 tcagggtgtt gagccacacc agaagaaaca aacgcgagct tcagtgggtga ttccagtgac 720  
 tggggatagt gaaggtgcta cgggtgcagat gtgtgaccaa ggggaaaatg tgcattgacaa 780  
 cactagagct gactccatat ttctctactt gtggcagcga ctgcatccga cataaaggaa 840

X15815.ST25.txt

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cagttgtgct ctgcccacaa acaggcgctcc ctttccctct ggataacaac aaaagcaagc 900
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cagggatcta tctaattgtg aggcacgaaa ggatcaagaa gacttccctt tctaccacca 1020
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caatttgta cttcactgaa tttcttcaaa accattgcag aagtgaggtc atccttgaaa 1140
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<210> 12
<211> 277
<212> PRT
<213> Homo sapiens

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<220>
<221> MISC_FEATURE
<222> (1)..(277)
<223> LP396

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<400> 12

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Met Ser Leu Val Leu Leu Ser Leu Ala Ala Leu Cys Arg Ser Ala Val
1 5 10 15

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Pro Arg Glu Pro Thr Val Gln Cys Gly Ser Glu Thr Gly Pro Ser Pro
20 25 30

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```

Glu Trp Met Leu Gln His Asp Leu Ile Pro Gly Asp Leu Arg Asp Leu
35 40 45

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Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile
50 55 60

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Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Ala Ser Ile Arg Leu
65 70 75 80

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Leu Lys Ala Thr Lys Ile Cys Val Thr Gly Lys Ser Asn Phe Gln Ser
85 90 95

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Tyr Ser Cys Val Arg Cys Asn Tyr Thr Glu Ala Phe Gln Thr Gln Thr
100 105 110

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X15815.ST25.txt

Arg Pro Ser Gly Gly Lys Trp Thr Phe Ser Tyr Ile Gly Phe Pro Val  
 115 120 125

Glu Leu Asn Thr Val Tyr Phe Ile Gly Ala His Asn Ile Pro Asn Ala  
 130 135 140

Asn Met Asn Glu Asp Gly Pro Ser Met Ser Val Asn Phe Thr Ser Pro  
 145 150 155 160

Gly Cys Leu Asp His Ile Met Lys Tyr Lys Lys Lys Cys Val Lys Ala  
 165 170 175

Gly Ser Leu Trp Asp Pro Asn Ile Thr Ala Cys Lys Lys Asn Glu Glu  
 180 185 190

Thr Val Glu Val Asn Phe Thr Thr Thr Pro Leu Gly Asn Arg Tyr Met  
 195 200 205

Ala Leu Ile Gln His Ser Thr Ile Ile Gly Phe Ser Gln Val Phe Glu  
 210 215 220

Pro His Gln Lys Lys Gln Thr Arg Ala Ser Val Val Ile Pro Val Thr  
 225 230 235 240

Gly Asp Ser Glu Gly Ala Thr Val Gln Met Cys Asp Gln Gly Glu Asn  
 245 250 255

Val His Asp Asn Thr Arg Ala Asp Ser Ile Phe Ser Tyr Leu Trp Gln  
 260 265 270

Arg Leu His Pro Thr  
 275

<210> 13  
 <211> 1352  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(1352)  
 <223> LP397

<400> 13  
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 aatcccggga gacttgaggg acctccgagt agaacctgtt acaactagtg ttgcaacagg 180  
 ggactattca attttgatga atgtaagctg ggtactccgg gcagatgcca gcatccgctt 240  
 gttgaaggcc accaagattt gtgtgacggg caaaagcaac ttccagtcct acagctgtgt 300  
 gaggtgcaat tacacagagg ccttccagac tcagaccaga ccctctggtg gtaaattggac 360



X15815.ST25.txt

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ggatccgaac atcactgctt gtaagaagaa tgaggagaca gtagaagtga acttcacaac 600
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gctctcagtg tctgccccaa gtaccacctc atgaaggatg ccactgcttt ctgtgcagaa 1260
cttctccatg tcaagcagca ggtgtcagca ggaaaaagat cacaagcctg ccacgatggc 1320
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 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (1)..(252)  
 <223> LP397

<400> 14

Met Ser Leu Val Leu Leu Ser Leu Ala Ala Leu Cys Arg Ser Ala Val  
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Pro Arg Glu Pro Thr Val Gln Cys Gly Ser Glu Thr Gly Pro Ser Pro  
 20 25 30

Glu Trp Met Leu Gln His Asp Leu Ile Pro Gly Asp Leu Arg Asp Leu  
 35 40 45

Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile  
 50 55 60

Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Ala Ser Ile Arg Leu  
 65 70 75 80

X15815.ST25.txt

Leu Lys Ala Thr Lys Ile Cys Val Thr Gly Lys Ser Asn Phe Gln Ser  
 85 90 95

Tyr Ser Cys Val Arg Cys Asn Tyr Thr Glu Ala Phe Gln Thr Gln Thr  
 100 105 110

Arg Pro Ser Gly Gly Lys Trp Thr Phe Ser Tyr Ile Gly Phe Pro Val  
 115 120 125

Glu Leu Asn Thr Val Tyr Phe Ile Gly Ala His Asn Ile Pro Asn Ala  
 130 135 140

Asn Met Asn Glu Asp Gly Pro Ser Met Ser Val Asn Phe Thr Ser Pro  
 145 150 155 160

Gly Cys Leu Asp His Ile Met Lys Tyr Lys Lys Lys Cys Val Lys Ala  
 165 170 175

Gly Ser Leu Trp Asp Pro Asn Ile Thr Ala Cys Lys Lys Asn Glu Glu  
 180 185 190

Thr Val Glu Val Asn Phe Thr Thr Thr Pro Leu Gly Asn Arg Tyr Met  
 195 200 205

Ala Leu Ile Gln His Ser Thr Ile Ile Gly Phe Ser Gln Val Phe Glu  
 210 215 220

Thr Lys Ala Ser Arg Glu Ala Gly Cys Leu Ser Ser Cys Cys Leu Cys  
 225 230 235 240

Trp Trp Pro His Gly Cys Trp Trp Gln Gly Ser Ile  
 245 250

<210> 15  
 <211> 1399  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(1399)  
 <223> LP398

<400> 15  
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 aatcccggga gacttgaggg acctccgagt agaacctgtt acaactagtg ttgcaacagg 180  
 ggactattca attttgatga atgtaagctg ggtactccgg gcagatgtgg acattttcct 240  
 acatcggtt ccctgtagag ctgaacacag tctatttcat tggggcccat aatattccta 300  
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X15815.ST25.txt

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tgggaaacag atacatggct cttatccaac acagcactat catcggggtt tctcagggtg 540
ttgagccaca ccagaagaaa caaacgcgag cttcagtggt gattccagtg actggggata 600
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gacataaagg aacagttgtg ctctgccac aaacaggcgt ccctttccct ctggataaca 720
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 <211> 96  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (1)..(96)  
 <223> LP398

<400> 16

Met Ser Leu Val Leu Leu Ser Leu Ala Ala Leu Cys Arg Ser Ala Val  
 1 5 10 15

Pro Arg Glu Pro Thr Val Gln Cys Gly Ser Glu Thr Gly Pro Ser Pro  
 20 25 30

Glu Trp Met Leu Gln His Asp Leu Ile Pro Gly Asp Leu Arg Asp Leu  
 35 40 45

Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile  
 50 55 60

Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Val Asp Ile Phe Leu  
 65 70 75 80

## X15815.ST25.txt

His Arg Leu Pro Cys Arg Ala Glu His Ser Leu Phe His Trp Gly Pro  
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<210> 17  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> LP399

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 aatccccgga gacttgaggg acctccgagt agaacctgtt acaactagtg ttgcaacagg 180  
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 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (1)..(93)  
 <223> LP399

X15815.ST25.txt

&lt;400&gt; 18

Met Ser Leu Val Leu Leu Ser Leu Ala Ala Leu Cys Arg Ser Ala Val  
 1 5 10 15

Pro Arg Glu Pro Thr Val Gln Cys Gly Ser Glu Thr Gly Pro Ser Pro  
 20 25 30

Glu Trp Met Leu Gln His Asp Leu Ile Pro Gly Asp Leu Arg Asp Leu  
 35 40 45

Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile  
 50 55 60

Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Ala Thr Pro Glu Glu  
 65 70 75 80

Thr Asn Ala Ser Phe Ser Gly Asp Ser Ser Asp Trp Gly  
 85 90

&lt;210&gt; 19

&lt;211&gt; 940

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(940)

&lt;223&gt; LP417

&lt;400&gt; 19

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 gtgagaactc tcaagacctc tttccccttg cttttaacct tttctgcagt gatctaagaa 720  
 gccagattca tctgcacaaa tacgtggtgg tctacttttag agagattgat acaaagacg 780  
 attacaatgc tctcagtgtc tgcccgaagt accacctcat gaaggatgcc actgctttct 840  
 gtgcagaact tctccatgtc aagcagcagg tgctcagcagg aaaaagatca caagcctgcc 900

X15815.ST25.txt

acgatggctg ctgctccttg tagcccaccc atgagaagca 940

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 <211> 46  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (1)..(46)  
 <223> LP417

<400> 20

Met Ser Leu Val Leu Leu Ser Leu Ala Ala Leu Cys Arg Ser Ala Val  
 1 5 10 15

Pro Arg Glu Pro Thr Val Gln Cys Gly Ser Glu Thr Ala Thr Pro Glu  
 20 25 30

Glu Thr Asn Ala Ser Phe Ser Gly Asp Ser Ser Asp Trp Gly  
 35 40 45

<210> 21  
 <211> 1352  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(1352)  
 <223> LP418

<400> 21  
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 aatccccgga gacttgaggg acctccgagt agaacctgtt acaactagtg ttgcaacagg 180  
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 aagaagactt ctttttctac caccacacta ctgcccccca ttaaggttct tgtggtttac 840

X15815.ST25.txt

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Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile  
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Leu Met Asn Val Ser Trp Val Leu Arg Ala Asp Ala Ser Ile Arg Leu  
 65 70 75 80

Leu Lys Ala Thr Lys Ile Cys Val Thr Gly Lys Ser Asn Phe Gln Ser  
 85 90 95

Tyr Ser Cys Val Arg Cys Asn Tyr Thr Glu Ala Phe Gln Thr Gln Thr  
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x15815.ST25.txt

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X15815.ST25.txt

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Pro Arg Glu Pro Thr Val Gln Cys Gly Ser Glu Thr Val Asp Ile Phe  
20 25 30

Leu Tyr Arg Leu Pro Cys Arg Ala Glu His Ser Leu Phe His Trp Gly  
35 40 45

Pro